

Using GEMS to Compare CRT Achievement to Graduation Rate

What Sort of Questions Can I Answer?

1. How do the enrollment numbers in my district compare to those in nearby districts?
2. How many incoming 9th graders can my district expect, from nearby elementary districts, in the next two years?
3. What percentage of 3rd grade students in my district scored proficient or above in Math?
4. What is the relationship between my 2007 class of 7th graders Math and Reading scores and their graduation rates in 2012? How does that compare to other similarly sized schools?

First Some Basic Tools

- How to access dashboards on GEMS
- Selecting Schools and Districts for comparison
- Selecting a specific chart and changing format
- “Drilling Down” to view specific subsets
- Using the “Show Only” tool
- “Drilling Up”
- The Remove tool

Basic Tips for Mac Users

- Select the down arrow on the Mac to scroll down to view the list of districts or schools.
- Hold down the control button when you click to get the same effect as pressing the right-click on a two-button mouse.

http://www.opi.mt.gov/ Montana Office of P...

Montana Office of Public Instruction
Denise Juneau, State Superintendent

Search Contact Calendar Get Answers

Home Programs Educator Licensure Reports & Data Curriculum & Assessment Resources Finance & Grants Employment

First Some Basic Tools

Current Events

SUPERINTENDENT'S OFFICE

HOT TOPICS

[GEMS - Data Warehouse](#)
Growth & Enhancement of Montana Students

[DART - District Response from OPI](#)

[Revised Chapter 55](#)

[Standards of Accreditation](#)
Posted

[Summary of Senate Bill 175](#)

UPCOMING EVENTS

63RD MONTANA LEGISLATIVE SESSION

MONTANA CONTENT STANDARDS

TECH READINESS TOOL

GRADUATION MATTERS

FIND-A-SCHOOL

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<http://gems.opi.mt.gov/Pages/Default.aspx>

Public Site

Spotlight On: Healthy Montana Students

The Montana Partnership to End Childhood Hunger is hosting a conference at MSU Bozeman on September 23-24. Educators can earn up to 10 OPI Renewal Units or 10 School Nutrition Association Continuing Education Units. Learn about best practices in hunger prevention and gain valuable information for activities in your own community. [Registration is now open.](#) For more information, contact [Montana Team Nutrition](#), 406-994-5641.

You can also encourage students to attend the [Farm to Cafeteria Network's Youth Summit](#) on October 6-8 at the University of Montana campus. Students will participate in tours, workshops, and keynote

Data System

- Look here for resources and information regarding standards, standardized test scores, and progress towards state and federal accountability goals. Information includes federal adequate yearly progress (AYP) reports.

Most Popular Reports:

- Student Achievement Dashboard
- List of Quick Facts
- MontCAS (CRT) Proficiency Trends
- Adequate Yearly Progress (AYP) Graduation Rate Trends
- Adequate Yearly Progress (AYP) Improvement Status
- MontCAS (CRT) Proficiency Comparisons by Subgroup
- Adequate Yearly Progress (AYP) Trends
- ACT Academic Achievement
- ACT Career and Educational Aspirations
- ACT College Readiness

and interactive reports on these offerings, district and (NAEP), and financial files users the ability to

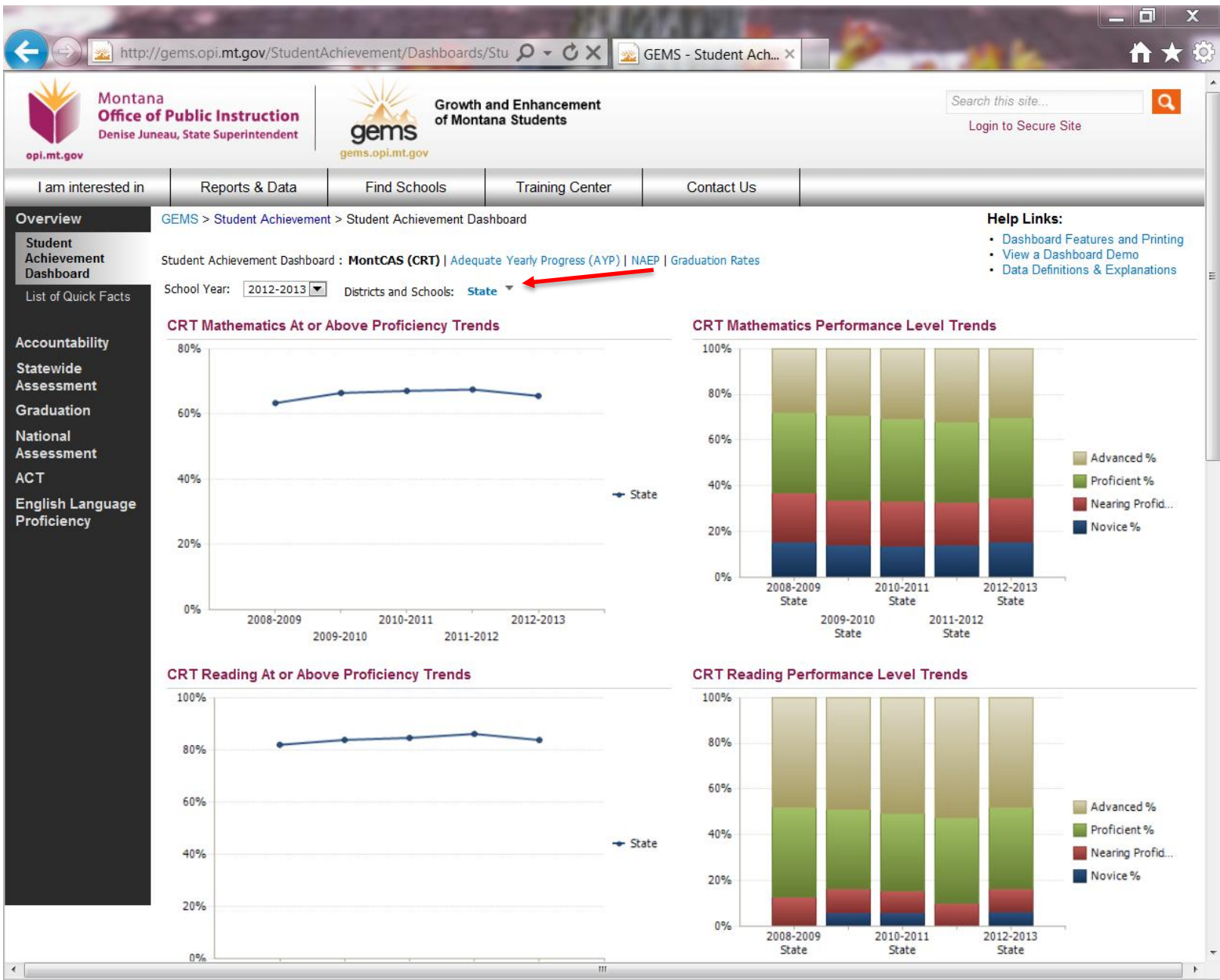
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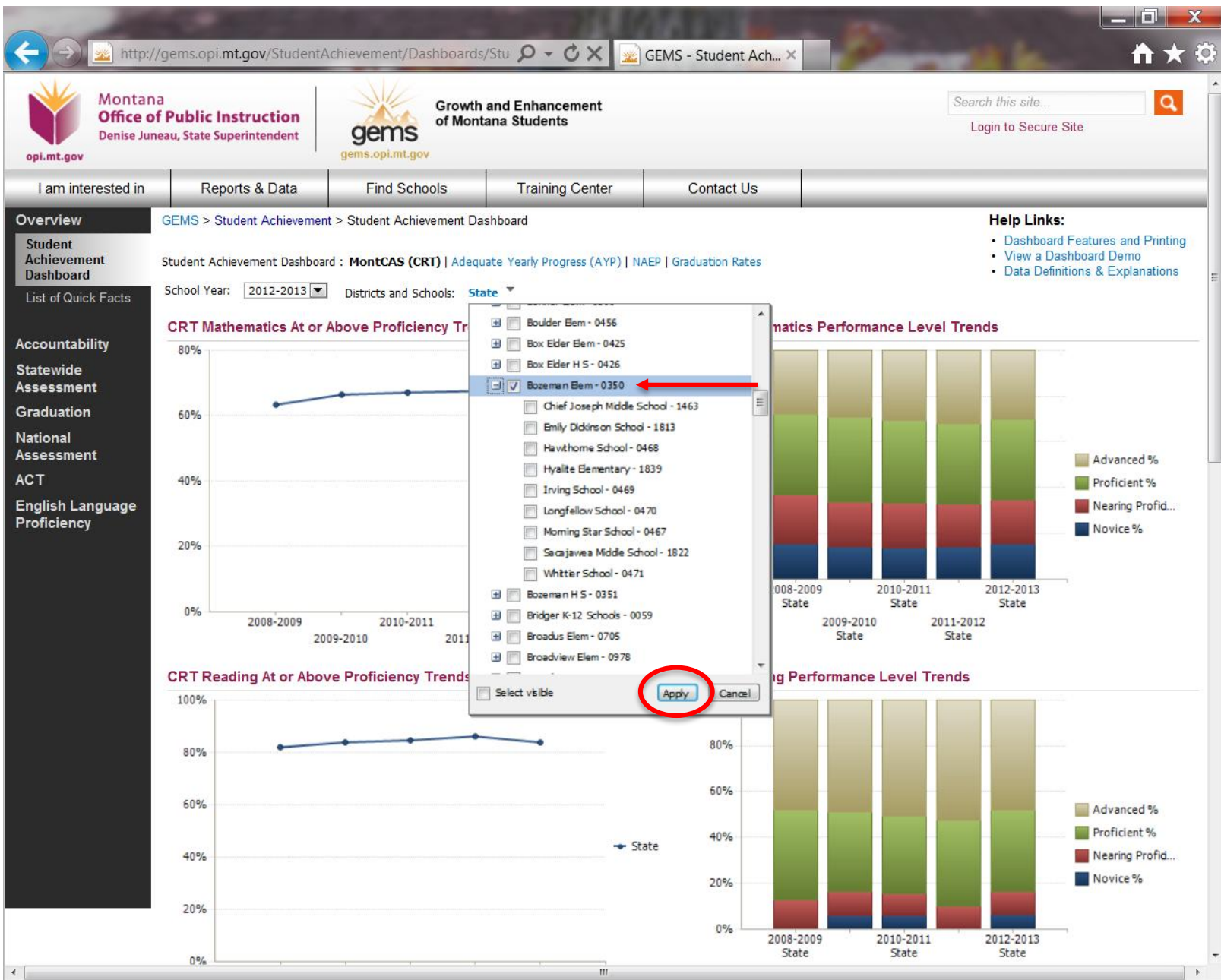
[a Match Up.pdf](#)

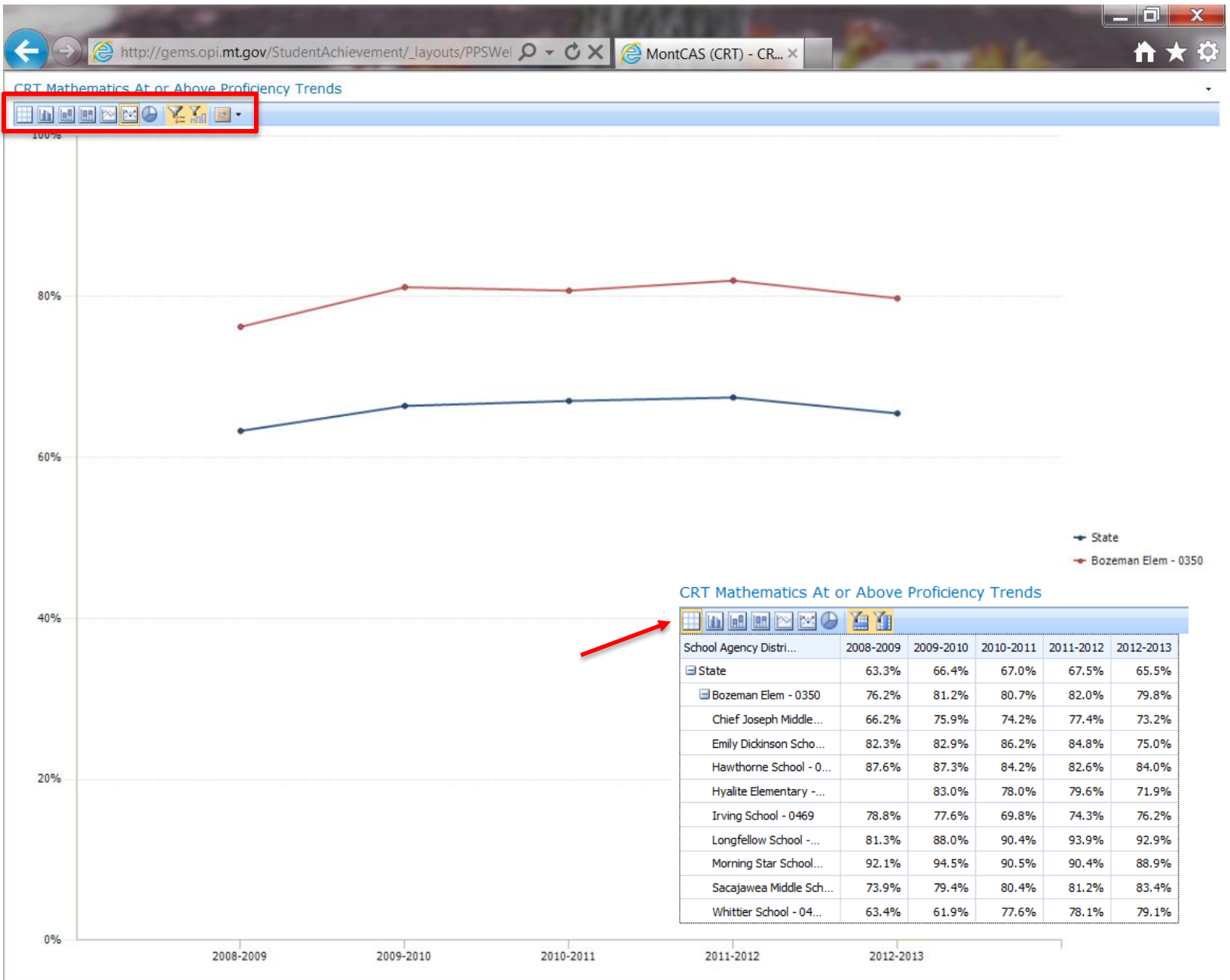
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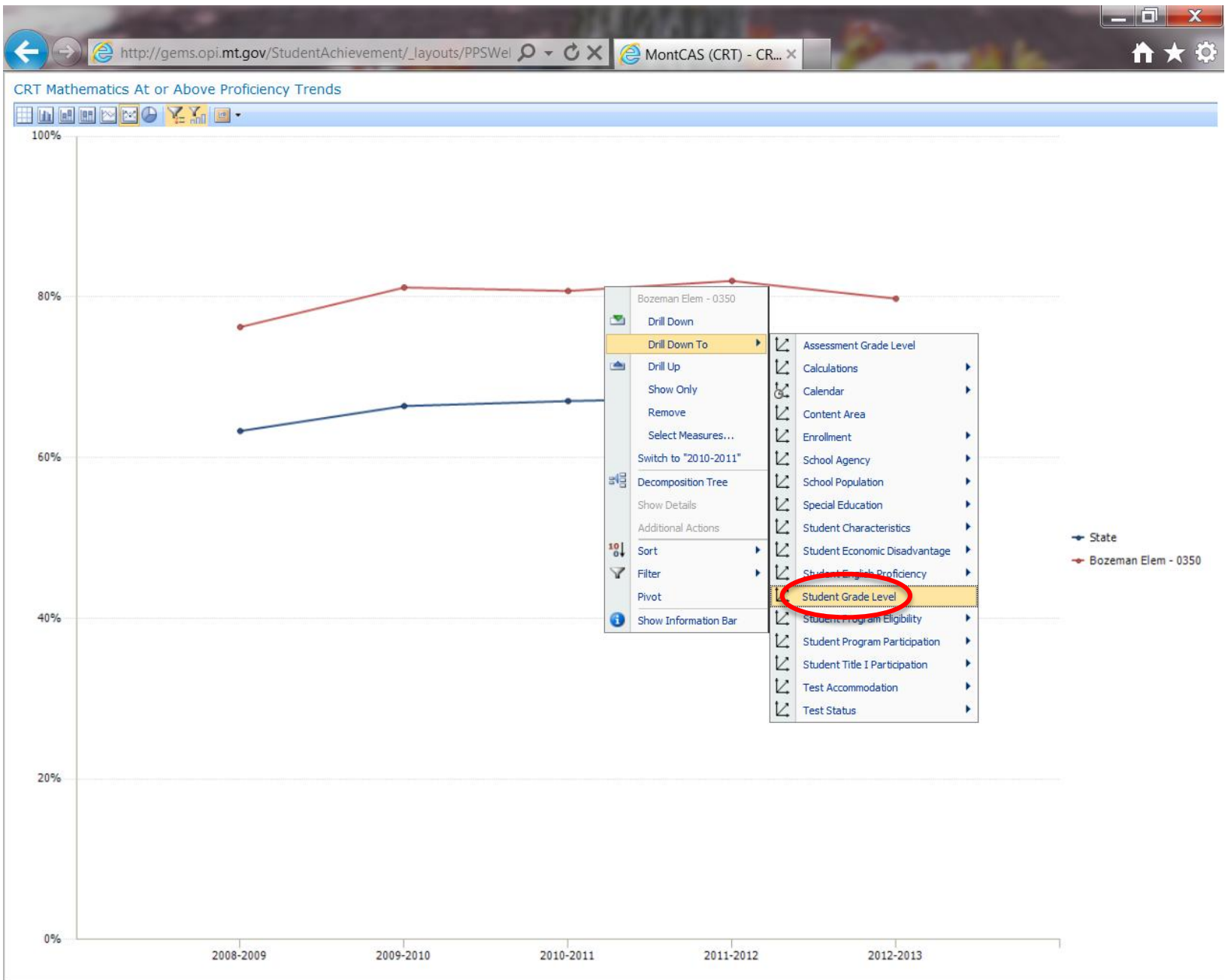
Check boxes to compare schools

compare

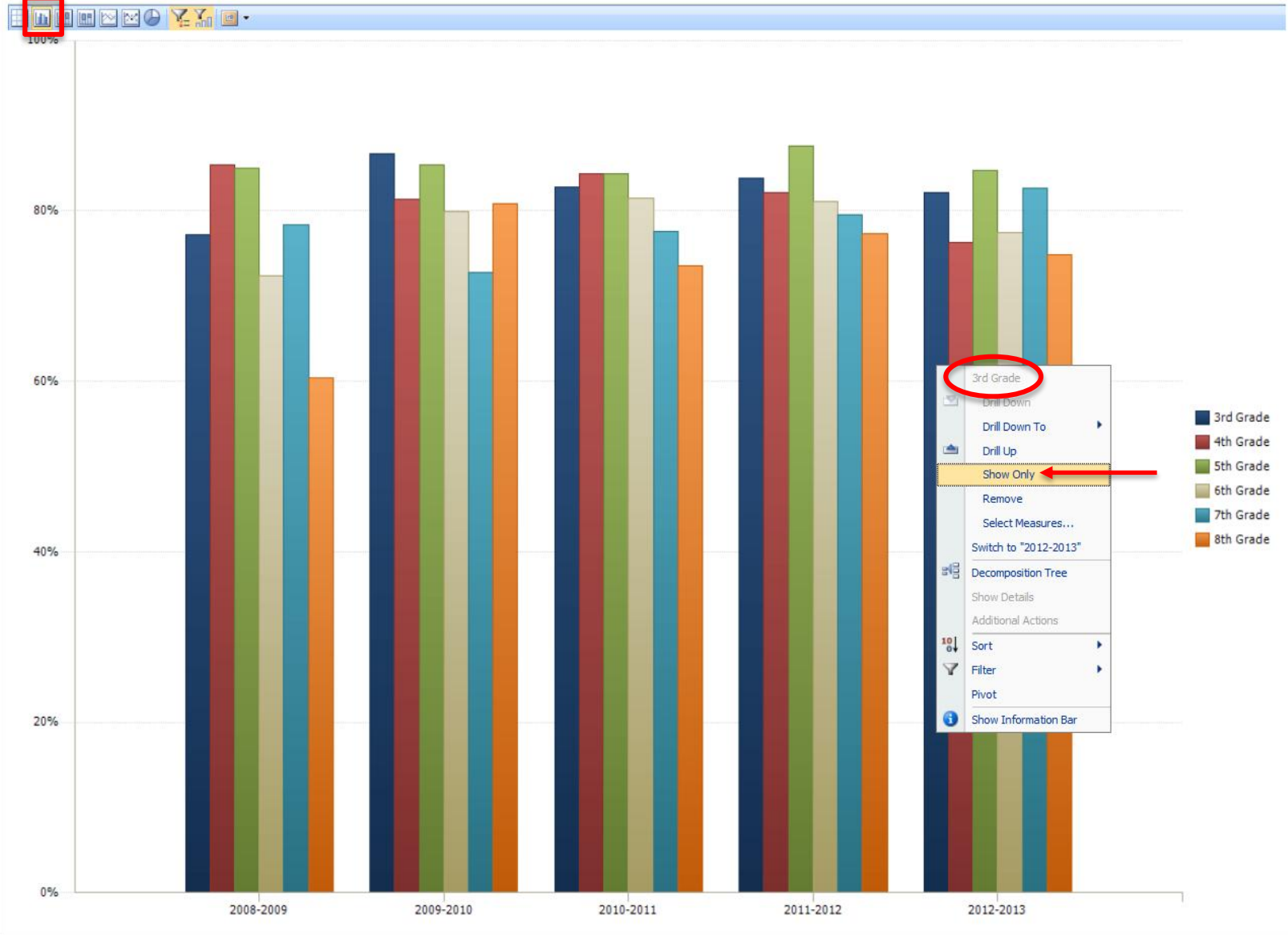


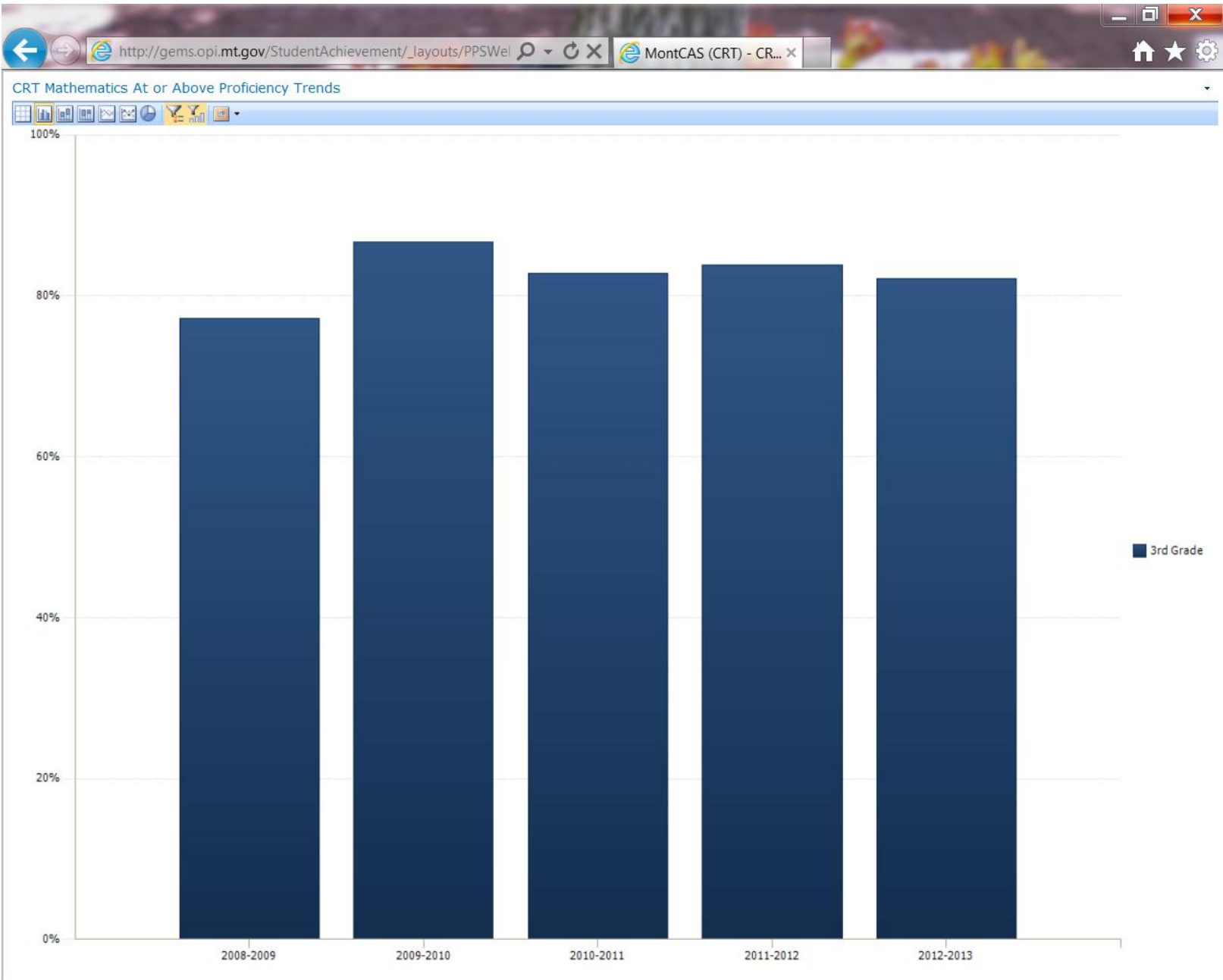




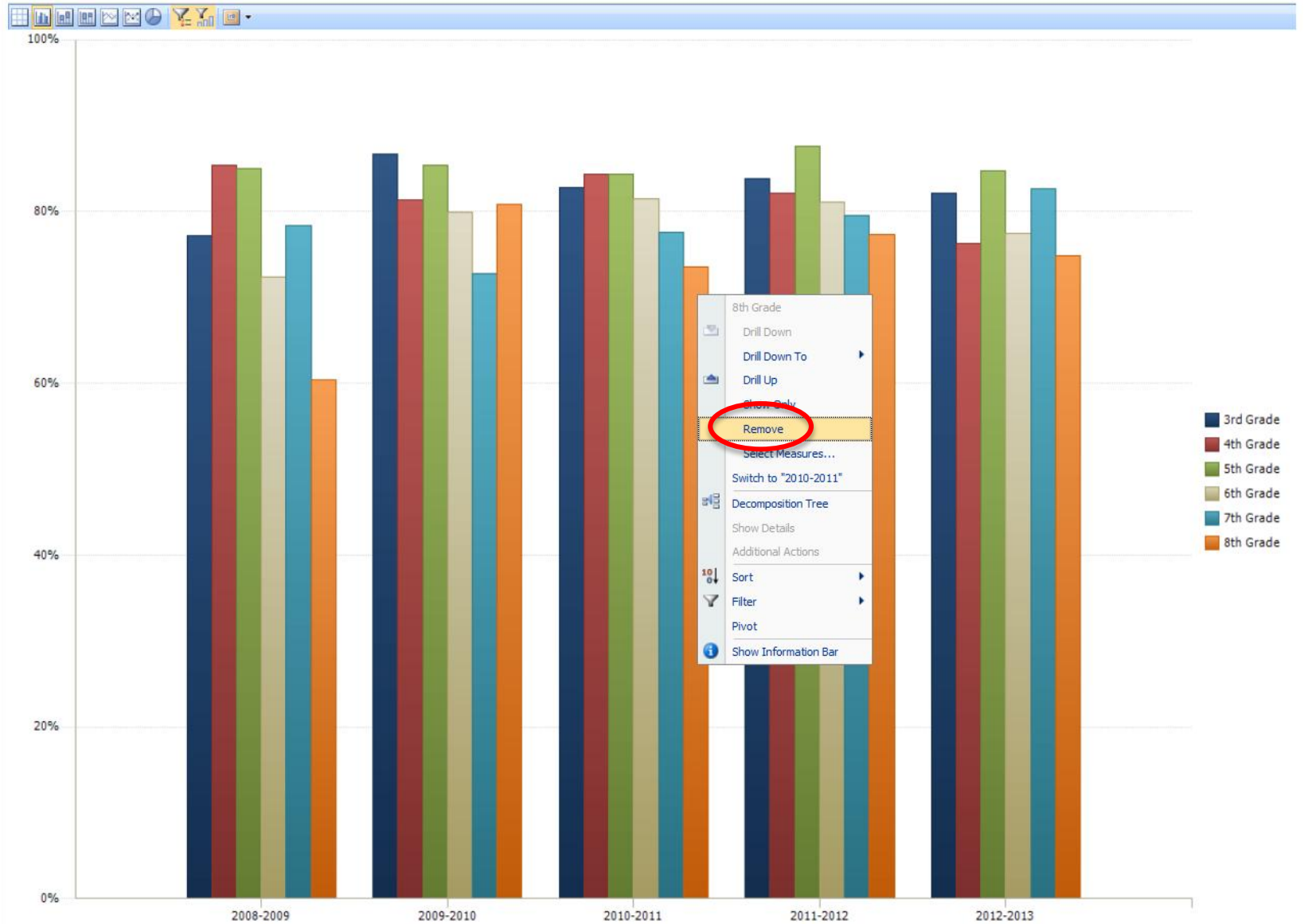


CRT Mathematics At or Above Proficiency Trends



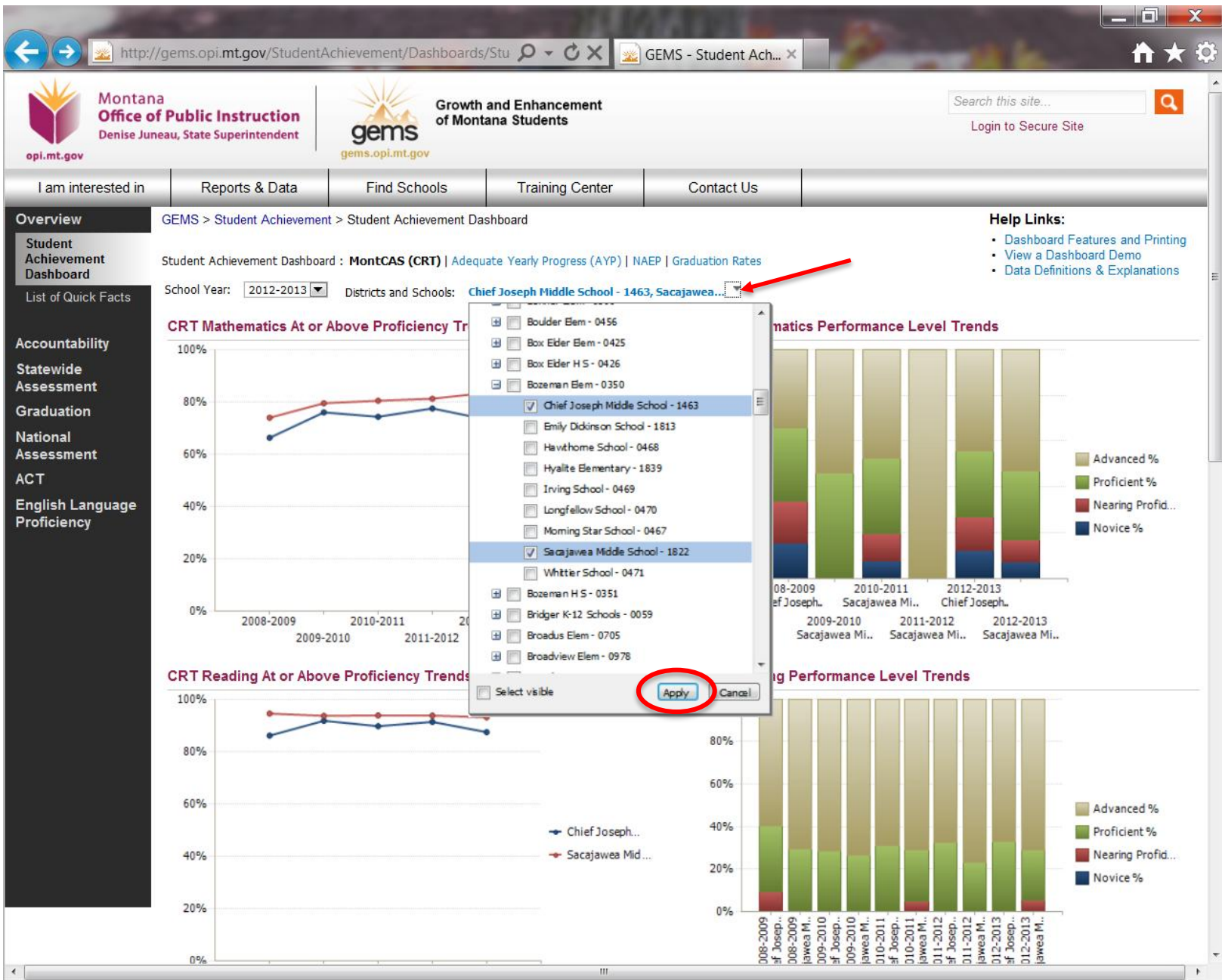


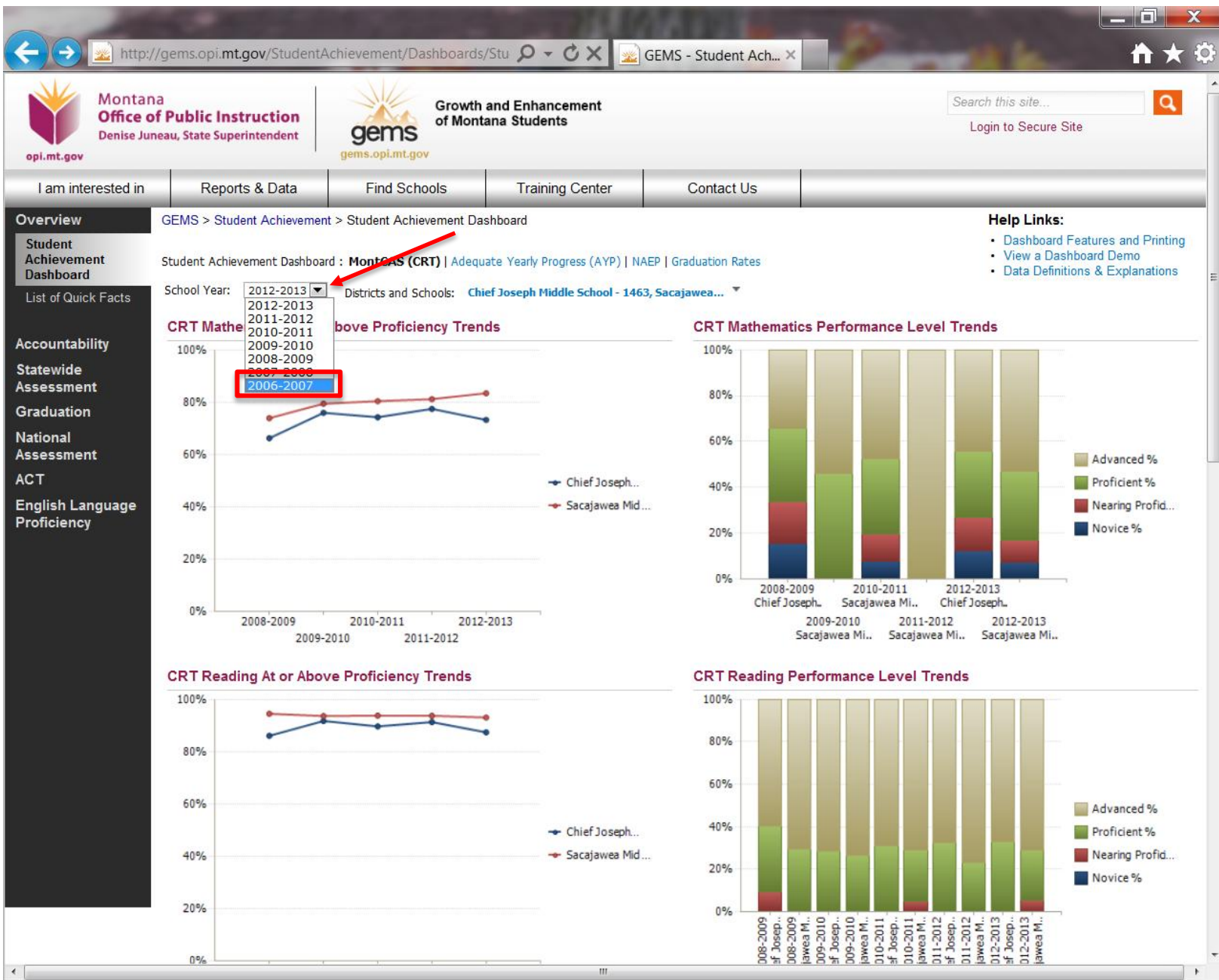
CRT Mathematics At or Above Proficiency Trends

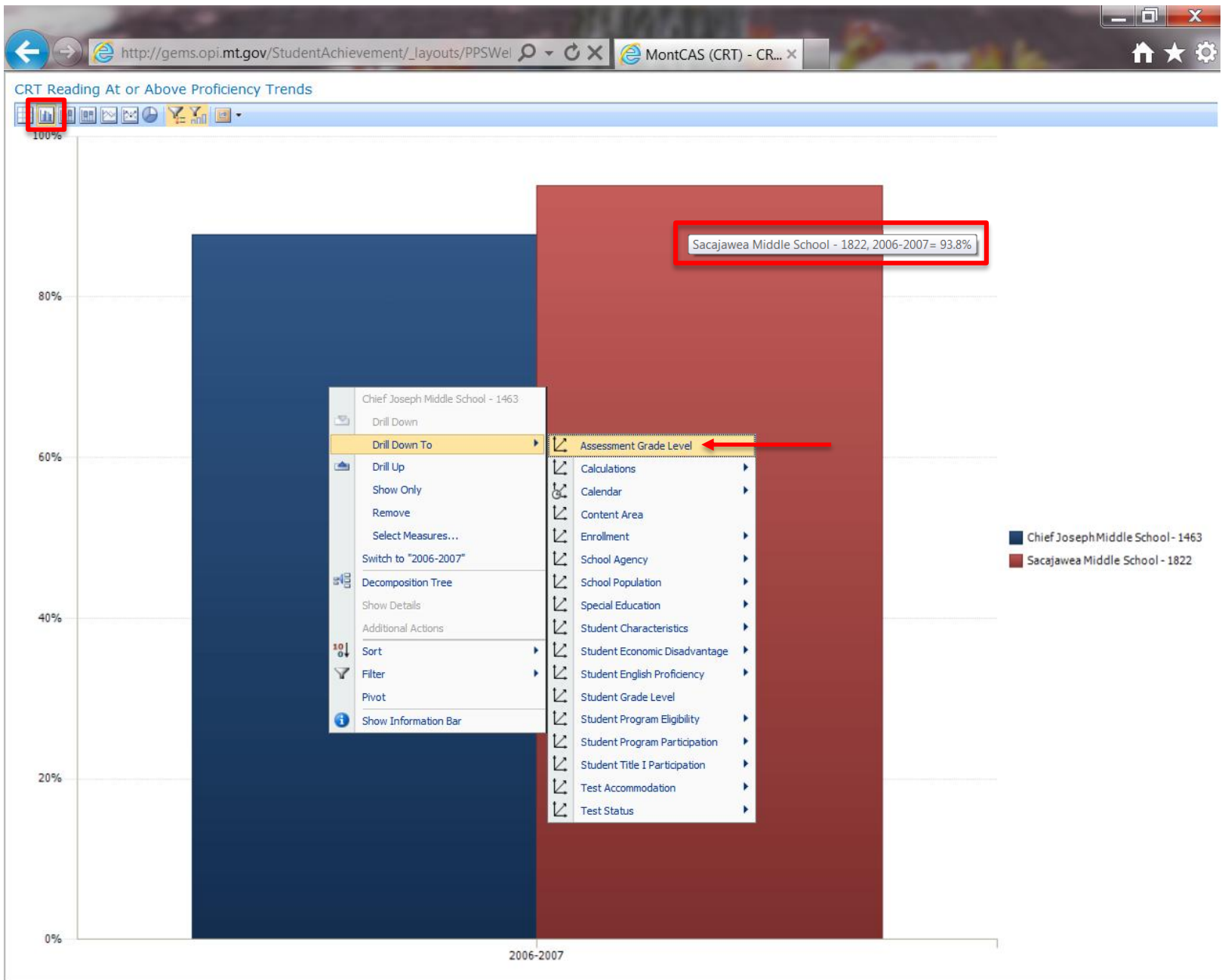


Addressing a Specific Question

- What is the relationship between Bozeman's 2007 class of 7th graders CRT Reading scores and their graduation rates in 2012? How does this compare to Kalispell and Helena high schools?
- Schools that “feed” into Helena, Kalispell and Bozeman High Schools:
 - C.R. Anderson Middle School
 - East Valley Middle School
 - Helena Flats 7-8
 - Evergreen 7-8
 - Chief Joseph Middle School
 - Helena Middle School
 - Montana City Middle School
 - Fair-Mont-Egan 7-8
 - Kalispell Middle School
 - Sacajawea Middle School







CRT Reading At or Above Proficiency Trends

School Agency Distri...	2006-2007
Chief Joseph Middle...	87.8%
Sacajawea Middle Sch...	93.8%

CRT Reading At or Above Proficiency Trends

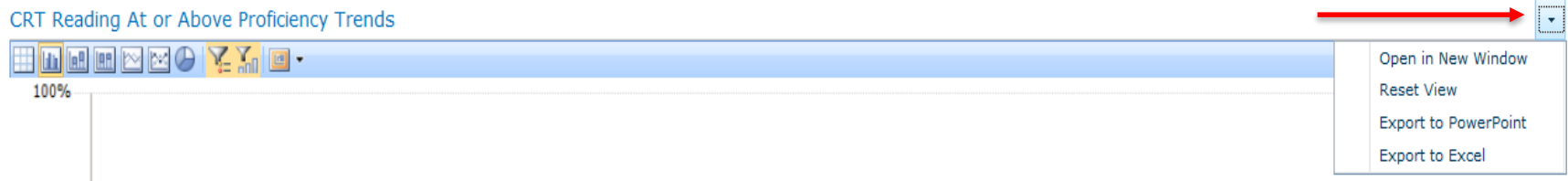
Assessment Grade Lev ...	2006-2007
6th Grade	85.0%
7th Grade	88.5%
8th Grade	89.8%

CRT Reading At or Above Proficiency Trends

Assessment Grade Lev ...	2006-2007
6th Grade	93.4%
7th Grade	93.5%
8th Grade	94.4%

Saving this Chart for Use Elsewhere

- Click on the drop down arrow in the upper right hand corner of the chart, above the blue horizontal line.



- Choose “Export to Excel” or “Export to PowerPoint”.
- Note: If exporting multiple charts, you can only export one at a time and will have to copy and paste once in Excel or PowerPoint

CRT Reading At or Above Proficiency Trends (1) - Excel

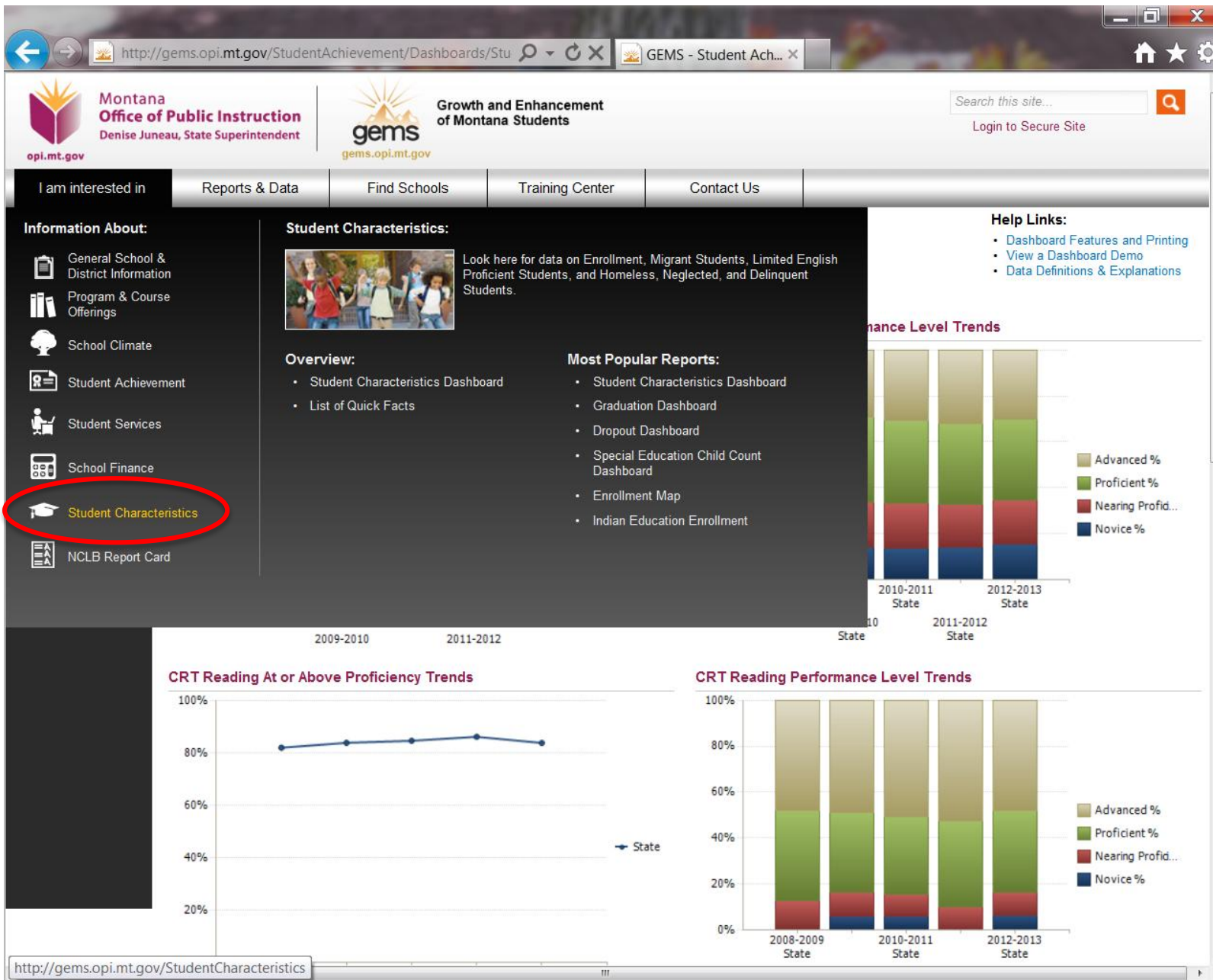
	A	B	C	D	E	F	G	H	I	J
1	View:	CRT Reading At or Above Proficiency Trends								
2	Date:	9/19/2013								
3	Dashboard:	MontCAS (CRT)								
4	Parameter:	Chief Joseph Middle School - 1463								
5										
6	Assessment Grade Level Level	Grade Level	2006-2007							
7	6th Grade		85.0%							
8	7th Grade		88.5%							
9	8th Grade		89.8%							
10										

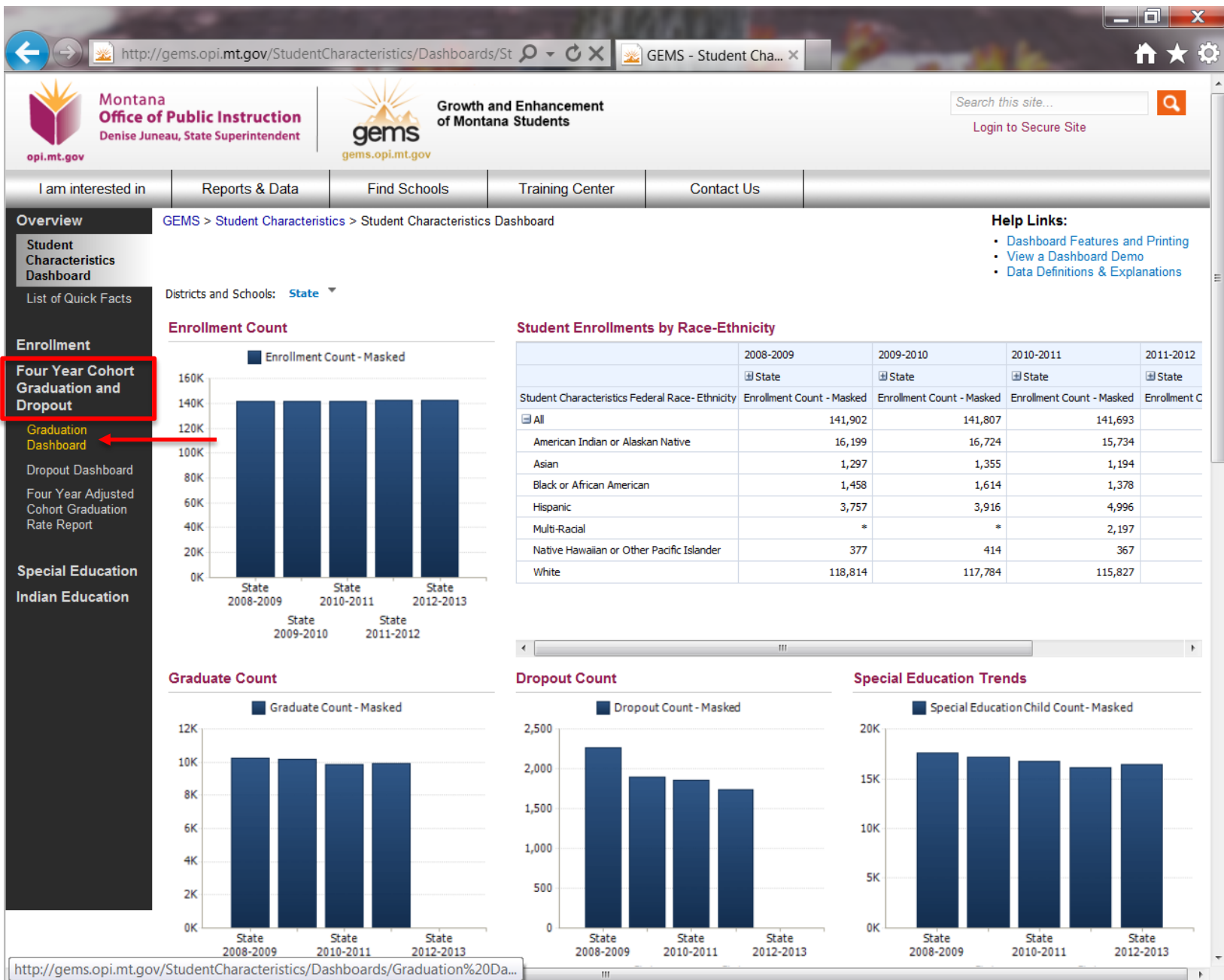
CRT Reading At or Above Proficiency Trends

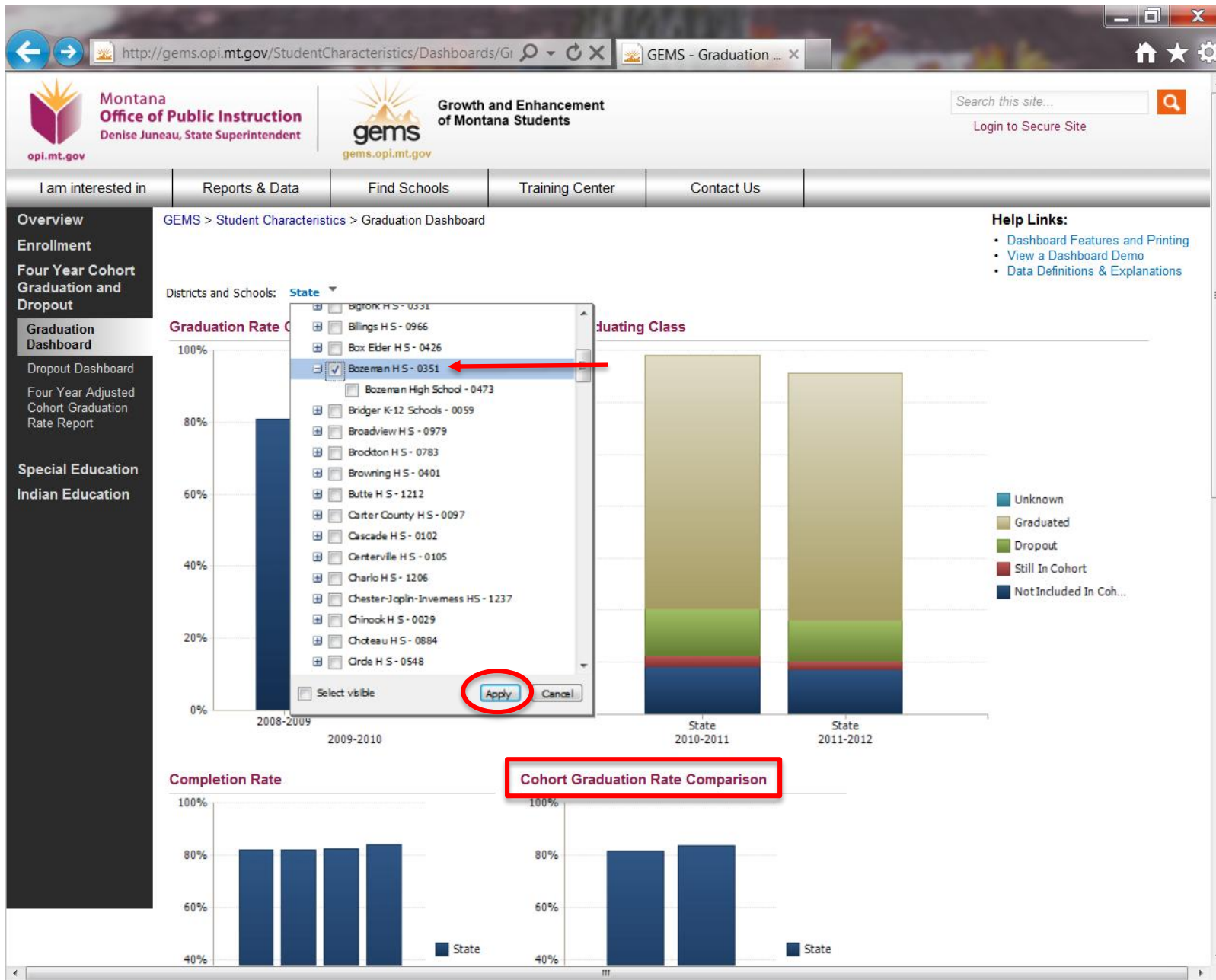
READY

	A	B	C	D	E	F	G	H	I	J
1	View:	CRT Reading At or Above Proficiency Trends								
2	Date:	9/19/2013								
3	Dashboard:	MontCAS (CRT)								
4	Parameter:	Sacajawea Middle School - 1822								
5										
6	Assessment Grade Level Level	Grade Level	2006-2007							
7	6th Grade		93.4%							
8	7th Grade		93.5%							
9	8th Grade		94.4%							

CRT Reading At or Above Proficiency Trends







http://gems.opi.mt.gov/StudentCharacteristics/_layouts/PPSW

Graduation Dashbo...

Cohort Graduation Rate Comparison

School Agency Agency...	2010-2011	2011-2012
Bozeman H S - 0351	84.01%	86.47%
Bozeman High School...	84.01%	86.47%

Drill Down
Drill Down To
Drill Up
Expand
Show Only
Remove
Select Measures...
Sort
Filter
Pivot
Report Type
Format Report
Show Information Bar

Open in New Window
Reset View
Export to PowerPoint
Export to Excel

- Once in grid format, right click on the graduation year of interest, 2011 – 2012, and select show only
- To save the percentage, export to Excel

CRT Reading At or Above Proficiency Trends (1) - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW DYMO Label

Normal Page Break Preview Layout Views Workbook Views

☒ Ruler ☒ Formula Bar ☒ Gridlines ☒ Headings Show

Zoom 100% Zoom to Selection

New Window Arrange All Freeze Panes Split Hide Unhide Window

View Side by Side Synchronous Scrolling Reset Window Position Switch Windows Macros

A32 : X ✓ fx

	A	B	C	D	E	F	G	H	I	J
1	View:	CRT Reading At or Above Proficiency Trends								
2	Date:	9/19/2013								
3	Dashboard:	MontCAS (CRT)								
4	Parameter:	Chief Joseph Middle School - 1463								
5										
6	Assessment Grade Level Level.Grade Level	2006-2007								
7	6th Grade	85.0%								
8	7th Grade	88.5%								
9	8th Grade	89.8%								
10										
11										
12	View:	CRT Reading At or Above Proficiency Trends								
13	Date:	9/19/2013								
14	Dashboard:	MontCAS (CRT)								
15	Parameter:	Sacajawea Middle School - 1822								
16										
17	Assessment Grade Level Level.Grade Level	2006-2007								
18	6th Grade	93.4%								
19	7th Grade	93.5%								
20	8th Grade	94.4%								
21										
22										
23	View:	Cohort Graduation Rate Comparison								
24	Date:	9/19/2013								
25	Dashboard:	Graduation Dashboard								
26	Parameter:	Bozeman H S - 0351								
27										
28	School Agency Agency.District Hierarchy	2011-2012								
29	Bozeman H S - 0351	86.47%								
30	Bozeman High School - 0473	86.47%								

CRT Reading At or Above Profici

READY



To Complete the Analysis

- We must repeat these steps for both sets of “feeder” Middle Schools and the corresponding High School Districts
- Flathead High School District
 - Helena Flats 7-8
 - Evergreen 7-8
 - Fair-Mont-Egan 7-8
 - Kalispell Middle School
- Helena High School District
 - C.R. Anderson Middle School
 - East Valley Middle School
 - Helena Middle School
 - Montana City Middle School

What Observations Can We Make?

	A	B	C	D
1		2007 7th Grade Reading	2010 10th Grade Reading	2012 High School Cohort
2		Percent At or Above Proficient	Percent At or Above Proficient	Graduation Rate
3	Bozeman High School District		90.80%	86.47%
4	Bozeman High School		90.80%	86.47%
5	Chief Joseph Middle School - 1463	88.5%		
6	Sacajawea Middle School - 1822	93.5%		
7	Flathead High School District, Kalispell		82.3%	82.83%
8	Flathead High School		84.3%	81.75%
9	Glacier High School		79.9%	84.21%
10	Evergreen 7-8 - 0452	85.7%		
11	Fair-Mont-Egan 7-8 - 1802	100.0%		
12	Helena Flats 7-8 - 1696	90.0%		
13	Linderman-Jr High Annex - 1593	88.6%		
14	Helena High School District		76.2%	83.02%
15	Helena High School		80.2%	82.63%
16	Capital High School		71.8%	83.48%
17	East Valley Middle School - 1720	83.5%		
18	C R Anderson Middle Schl - 1615	88.5%		
19	Helena Middle School - 1614	87.7%		
20	Montana City Middle Schl - 1715	97.6%		
21				

More Information...

- Contact the GEMS Helpdesk
 - Phone: (406) 444 – 5222
 - Email: opigemshelpdesk@mt.gov
- To request GEMS Secure Site access, please use the following form
 - <http://gems.opi.mt.gov/ContactUs/Documents/GEMS%20Access%20Request%20Form%202012.pdf>